The Great Basketball Hoop Caper

Grade 1 math · Addition, Subtraction, Skip counting, Place value, Missing addends · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone snuck into the gym and took the championship trophy right off the bench! Solve the math clues to find out who did it.

1. Solve each math problem. The answer is a number, and the letter beside it is what that number stands for.
2. In the clue boxes, write that letter in every box showing the same number, then read the secret clue.
3. Use each clue to cross suspects off the list. The one suspect left at the end is the culprit!

My answer: the Court Snatcher is _____

Possible suspects

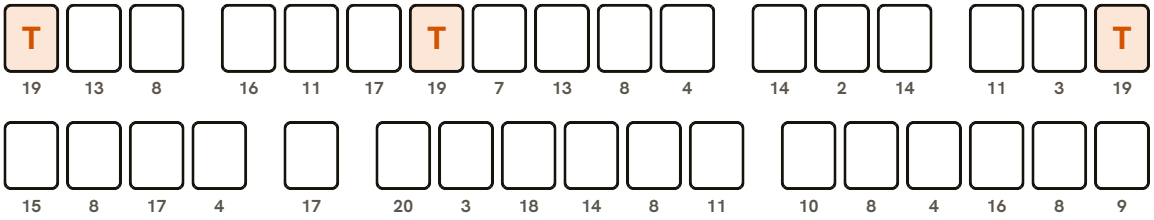
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	SPECIAL GEAR	SHOOTING HAND	HAIR STYLE	COURT WEAKNESS
Sabrina Ionescu	Slam Dunk	Padded Shorts	Left Handed	Short Hair	Loud Whistle
Candace Parker	Sky Hook	Golden Jersey	Right Handed	Short Hair	Squeaky Shoes
Maya Moore	Slam Dunk	Padded Shorts	Right Handed	Short Hair	Bouncing Ball
Paul George	Slam Dunk	Padded Shorts	Right Handed	Short Hair	Squeaky Shoes
LeBron James	Spin Pass	Padded Shorts	Left Handed	Short Hair	Squeaky Shoes
Nikola Jokic	Slam Dunk	High Socks	Right Handed	Short Hair	Loud Whistle
Caitlin Clark	Slam Dunk	Grip Gloves	Right Handed	Short Hair	Squeaky Shoes
Kobe Bryant	Cross Dribble	Neon Sneakers	Right Handed	Short Hair	Squeaky Shoes
Sue Bird	Spin Pass	Golden Jersey	Left Handed	Braided Hair	Squeaky Shoes
Aja Wilson	Fast Break	Grip Gloves	Right Handed	Braided Hair	Loud Whistle
Shaquille ONeal	Slam Dunk	Padded Shorts	Left Handed	Short Hair	Squeaky Shoes
Kyrie Irving	Cross Dribble	High Socks	Left Handed	Braided Hair	Squeaky Shoes
Jayson Tatum	Cross Dribble	High Socks	Right Handed	Short Hair	Squeaky Shoes
Ja Morant	Fast Break	Golden Jersey	Right Handed	Short Hair	Squeaky Shoes
Zion Williamson	Slam Dunk	Padded Shorts	Left Handed	Curly Hair	Squeaky Shoes
Luka Doncic	Fast Break	Padded Shorts	Right Handed	Braided Hair	Squeaky Shoes
Jimmy Butler	Sky Hook	Golden Jersey	Left Handed	Short Hair	Bouncing Ball
Damian Lillard	Slam Dunk	Grip Gloves	Right Handed	Curly Hair	Squeaky Shoes
Giannis Antetokounmpo	Sky Hook	Neon Sneakers	Left Handed	Short Hair	Squeaky Shoes
Michael Jordan	Cross Dribble	High Socks	Left Handed	Braided Hair	Bouncing Ball
Anthony Davis	Fast Break	Grip Gloves	Right Handed	Short Hair	Bouncing Ball

CLUE 1 Addition

Count the total basketballs in both carts to unlock the first clue.

Solve each problem, then write its letter in every clue box that shows the same number.



12 + 7 = ☐ → T

13 + 5 = ☐ → L

1 + 3 = ☐ → R

2 + 1 = ☐ → O

4 + 11 = ☐ → W

8 + 3 = ☐ → N

2 + 5 = ☐ → C

10 + 3 = ☐ → H

5 + 3 = ☐ → E

12 + 8 = ☐ → G

1 + 1 = ☐ → I

3 + 7 = ☐ → J

4 + 10 = ☐ → D

5 + 11 = ☐ → S

10 + 7 = ☐ → A

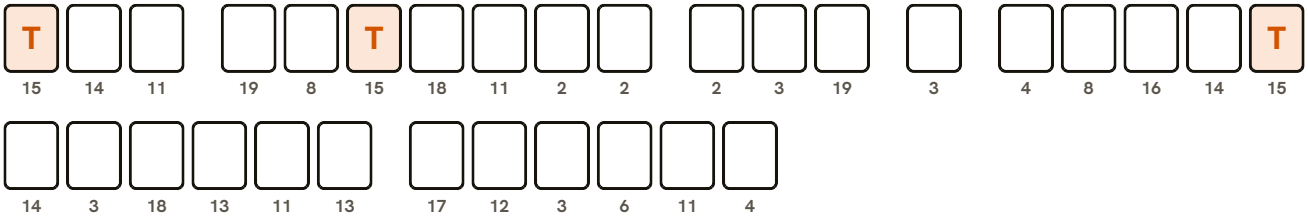
3 + 6 = ☐ → Y

Scratch space:

CLUE 2 Subtraction

Subtract the missing jerseys on the rack to read the next note.

Solve each problem, then write its letter in every clue box that shows the same number.



16 - 1 = ☐ → T

15 - 2 = ☐ → D

10 - 4 = ☐ → Y

16 - 5 = ☐ → E

17 - 5 = ☐ → L

19 - 1 = ☐ → N

9 - 1 = ☐ → I

20 - 3 = ☐ → P

10 - 6 = ☐ → R

16 - 2 = ☐ → H

8 - 5 = ☐ → A

20 - 1 = ☐ → W

3 - 1 = ☐ → S

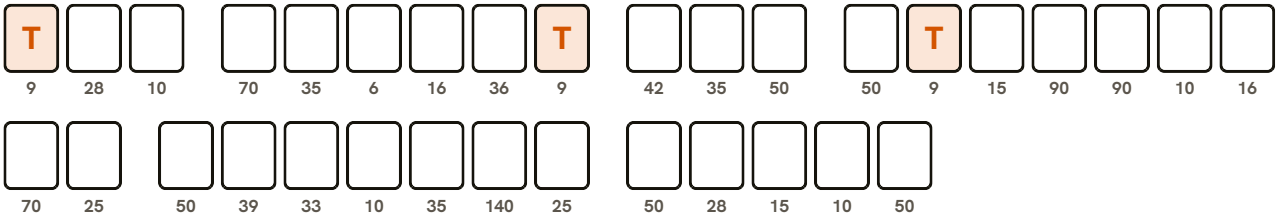
17 - 1 = ☐ → G

Scratch space:

CLUE 3 Skip counting

Skip count the sneaker prints by twos to reveal a secret line.

Solve each problem, then write its letter in every clue box that shows the same number.



Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 ☐ → T

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 ☐ → P

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 ☐ → K

Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 ☐ → O

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, ___, 12, 14 ☐ → E

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 ☐ → I

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, ___, 80, 90 ☐ → B

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 ☐ → S

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 ☐ → U

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 ☐ → W

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 ☐ → Q

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 ☐ → N

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 ☐ → H

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 [ ] → **Y**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, ___, 40, 45 [ ] → **A**

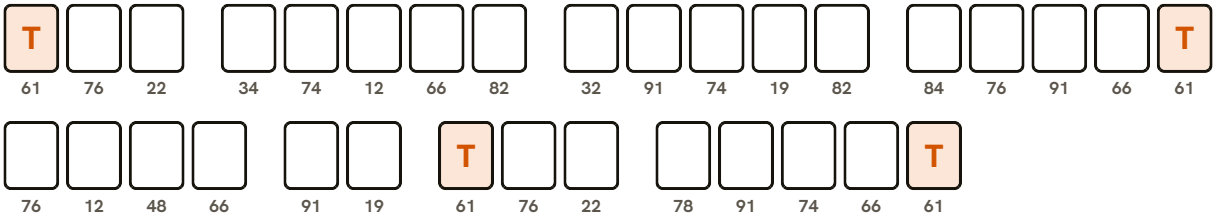
Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 [ ] → **D**

Scratch space:

CLUE 4 Place value

Check the tens and ones on the scoreboard for a major hint.

Solve each problem, then write its letter in every clue box that shows the same number.



What number has 6 tens and 1 one? ☐ → T

What number has 1 ten and 9 ones? ☐ → N

What number has 8 tens and 4 ones? ☐ → S

What number has 7 tens and 8 ones? ☐ → C

What number has 7 tens and 6 ones? ☐ → H

What number has 2 tens and 2 ones? ☐ → E

What number has 6 tens and 6 ones? ☐ → R

What number has 7 tens and 4 ones? ☐ → U

What number has 8 tens and 2 ones? ☐ → D

What number has 9 tens and 1 one? ☐ → O

What number has 3 tens and 4 ones? ☐ → G

What number has 1 ten and 2 ones? ☐ → A

What number has 3 tens and 2 ones? ☐ → F

What number has 4 tens and 8 ones? ☐ → I

Scratch space:

CLUE 5 Missing addends - the last clue

Find the missing points needed to win to crack the final code.

First solve each problem. Then find each answer in the numbered list below and cross that sentence out. One sentence will be left - that is exactly what the villain did!

Step 1 - solve these:

1 + ___ = 8 ☐	10 + ___ = 12 ☐	6 + ___ = 7 ☐	9 + ___ = 19 ☐
5 + ___ = 8 ☐	1 + ___ = 6 ☐	7 + ___ = 13 ☐	4 + ___ = 12 ☐
7 + ___ = 16 ☐	9 + ___ = 13 ☐	2 + ___ = 14 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain made a slam dunk, then adjusted grip gloves.
2. The villain did a cross dribble, then pulled up high socks.
3. The villain ran a fast break, then adjusted grip gloves.
4. The villain threw a spin pass, then adjusted padded shorts.
5. The villain used a sky hook move, then shined neon sneakers.
6. The villain made a slam dunk, then flashed a golden jersey.
7. The villain did a cross dribble, then shined neon sneakers.
8. The villain ran a fast break, then flashed a golden jersey.
9. The villain used a sky hook move, then flashed a golden jersey.
10. The villain threw a spin pass, then shined neon sneakers.
11. The villain made a slam dunk, then adjusted padded shorts.
12. The villain threw a spin pass, then flashed a golden jersey.

TEACHER / PARENT

Answer Key

The Great Basketball Hoop Caper

Culprit: Paul George

Slam Dunk · Padded Shorts · Right Handed · Short Hair · Squeaky Shoes

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNATCHER DID NOT WEAR A GOLDEN JERSEY"

12 + 7 = 19 (T) · 13 + 5 = 18 (L) · 1 + 3 = 4 (R) · 2 + 1 = 3 (O) · 4 + 11 = 15 (W) · 8 + 3 = 11 (N) · 2 + 5 = 7 (C) · 10 + 3 = 13 (H) · 5 + 3 = 8 (E) · 12 + 8 = 20 (G) · 1 + 1 = 2 (I) · 3 + 7 = 10 (J) · 4 + 10 = 14 (D) · 5 + 11 = 16 (S) · 10 + 7 = 17 (A) · 3 + 6 = 9 (Y)

Clue 2 (Subtraction): "THE WITNESS SAW A RIGHT HANDED PLAYER"

16 - 1 = 15 (T) · 15 - 2 = 13 (D) · 10 - 4 = 6 (Y) · 16 - 5 = 11 (E) · 17 - 5 = 12 (L) · 19 - 1 = 18 (N) · 9 - 1 = 8 (I) · 20 - 3 = 17 (P) · 10 - 6 = 4 (R) · 16 - 2 = 14 (H) · 8 - 5 = 3 (A) · 20 - 1 = 19 (W) · 3 - 1 = 2 (S) · 17 - 1 = 16 (G)

Clue 3 (Skip counting): "THE BANDIT WAS STOPPED BY SQUEAKY SHOES"

Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 = 9 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 = 90 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 = 140 (K) · Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 = 15 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, ___, 12, 14 = 10 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 = 36 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, ___, 80, 90 = 70 (B) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 = 50 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 = 33 (U) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 = 42 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 = 39 (Q) · Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 = 6 (N) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 = 25 (Y) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, ___, 40, 45 = 35 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (D)

Clue 4 (Place value): "THE GUARD FOUND SHORT HAIR ON THE COURT"

What number has 6 tens and 1 one? = 61 (T) · What number has 1 ten and 9 ones? = 19 (N) · What number has 8 tens and 4 ones? = 84 (S) · What number has 7 tens and 8 ones? = 78 (C) · What number has 7 tens and 6 ones? = 76 (H) · What number has 2 tens and 2 ones? = 22 (E) · What number has 6 tens and 6 ones? = 66 (R) · What number has 7 tens and 4 ones? = 74 (U) · What number has 8 tens and 2 ones? = 82 (D) · What number has 9 tens and 1 one? = 91 (O) · What number has 3 tens and 4 ones? = 34 (G) · What number has 1 ten and 2 ones? = 12 (A) · What number has 3 tens and 2 ones? = 32 (F) · What number has 4 tens and 8 ones? = 48 (I)

Clue 5 (Missing addends): surviving statement is box 11 → Paul George

1 + ___ = 8 = 7 · 10 + ___ = 12 = 2 · 6 + ___ = 7 = 1 · 9 + ___ = 19 = 10 · 5 + ___ = 8 = 3 · 1 + ___ = 6 = 5 · 7 + ___ = 13 = 6 · 4 + ___ = 12 = 8 · 7 + ___ = 16 = 9 · 9 + ___ = 13 = 4 · 2 + ___ = 14 = 12